Trails Inter-connectivity Project; Demo and Briefing
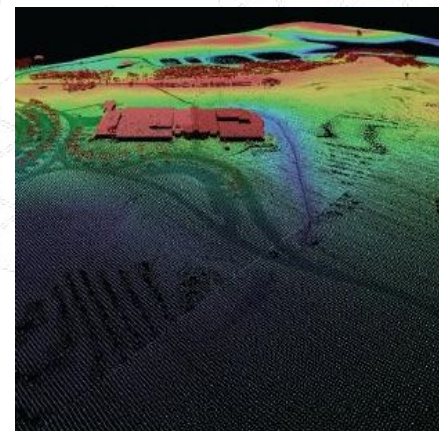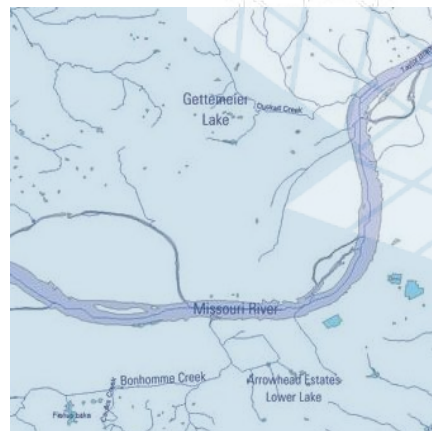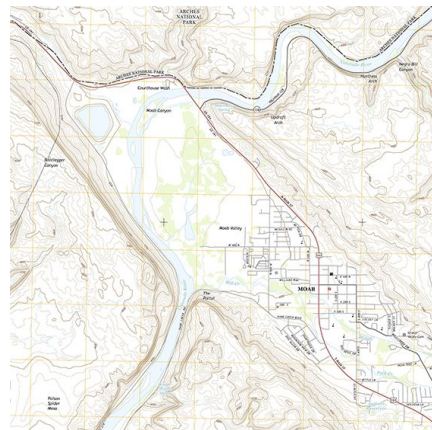
11/28/2018
USGS National Geospatial Program
Core Science Systems

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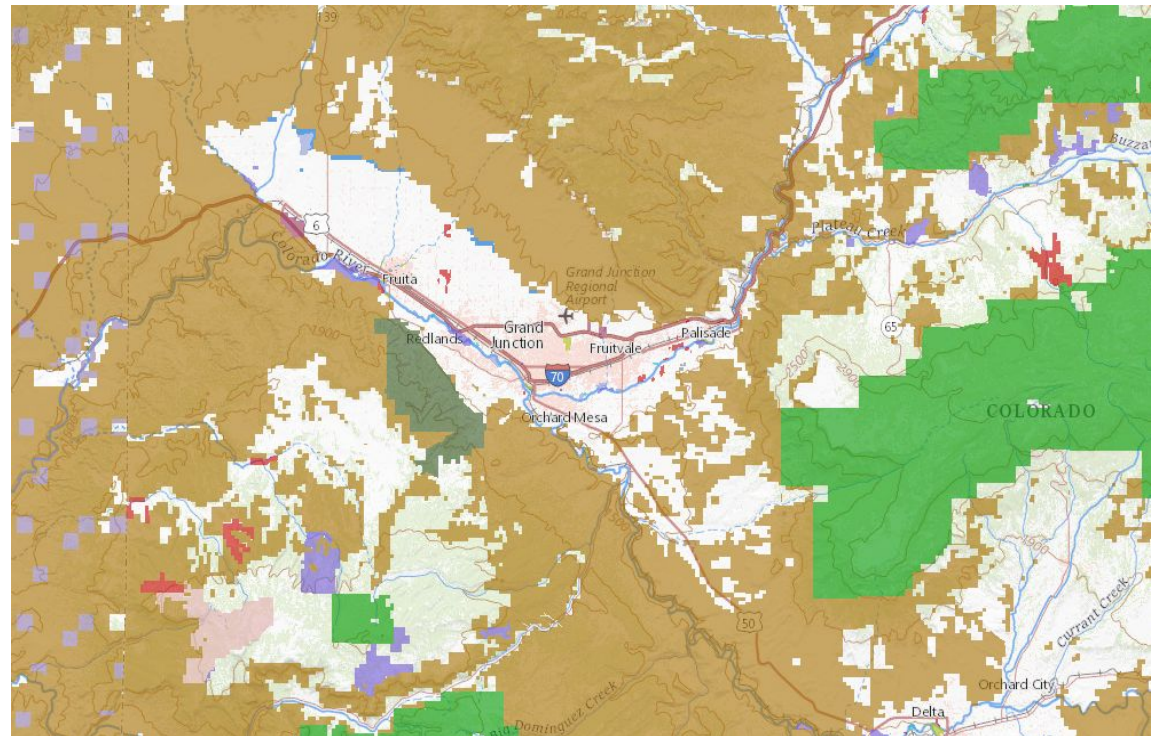Your Source for Topographic Information

Vision:

Connect trails systems to expand recreational opportunities on the Nation's public lands

+ Background

- The USGS integrates trails data nationally from a variety of sources for publication on the US Topo map series.

- This data is stored in a geospatial database that can be used for analyses.

- Support the Department of Interior priority to increase access and expand recreational opportunities on the Nation's public lands by connecting trail systems. This vision supports the Department of the Interior (DOI) priority to support conservation stewardship.

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+ Prototype Project

- ## Study Area: Grand Junction, CO area

  - DOI Interest

  - Multiple Federal agency lands are adjacent and contain trails

  - National Park Service, US Forest Service, BLM have provided data to the USGS

Bureau of Land Management (BLM)
Forest Service (USFS)
National Park Service (NPS)

Visualize and Rank Candidate Trails

Ranked Candidate Trails are displayed in a Dashboard with an interactive map interface. A ranked list of trails is also displayed (left) along with key trail characteristics.

+ 2-Year Goals to Support the Vision

Goal 1: Complete the **interactive geospatial tool** that identifies and prioritizes candidate trails.

Goal 2: Improve the consistency and completeness of the **national trails dataset**.

Goal 3: Create a **mobile friendly application** that can be used by trail stewards, land management agencies and the public, to update and maintain trails information.

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High Level Project Schedule

- 2019

  - Complete Trail Connectivity Tool; make available to land managers

  - Aggregate additional Federal trails and Recreational points of interest

  - Collaborate with partners to develop and implement data maintenance tools

- 2020

  - Refine Trail Connectivity Tool based on user feedback; make available to the public

  - Aggregate remaining Federal trails and add State trails

  - Implement data maintenance tools with partners

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Trails Database Status

Topics

- Provide an update on USGS Recreational Data activities
- Additions of recreational data is supported by a variety of partners
- Aggregated recreational data benefits the USGS and partners
- Partnerships maximize resources

+ Trail Collaboration Efforts

U.S. Forest Service
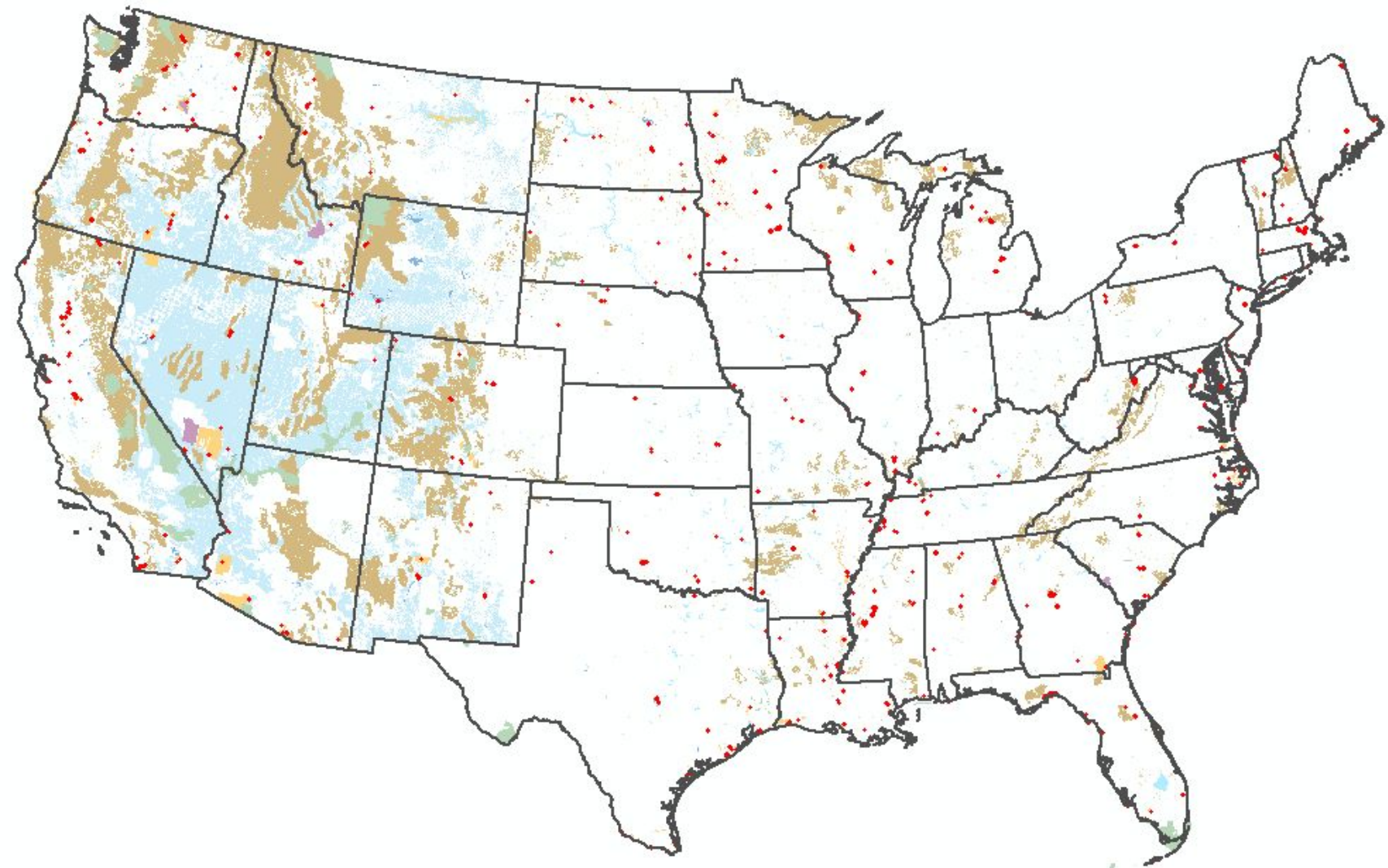- USFS 109,264 mi
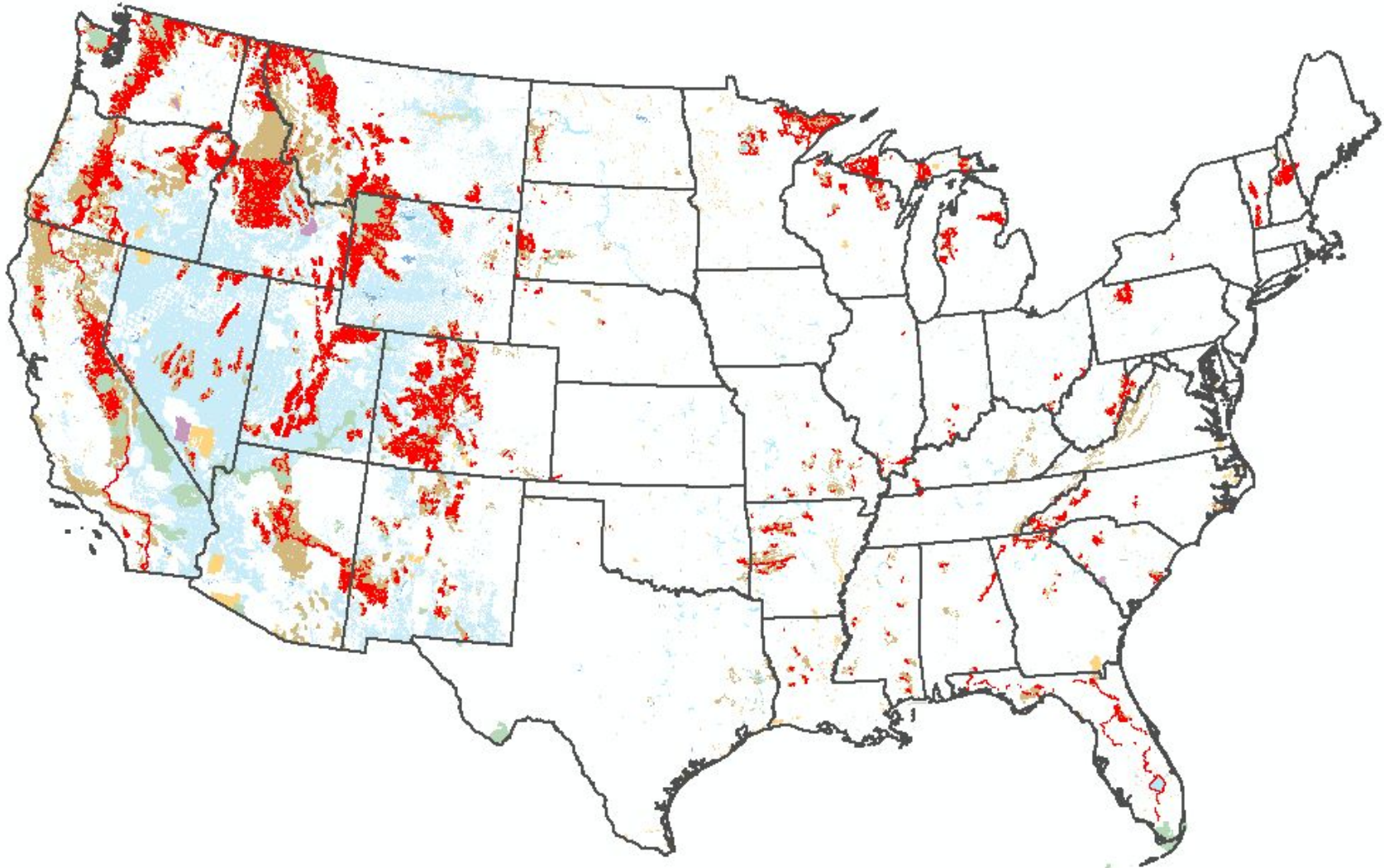
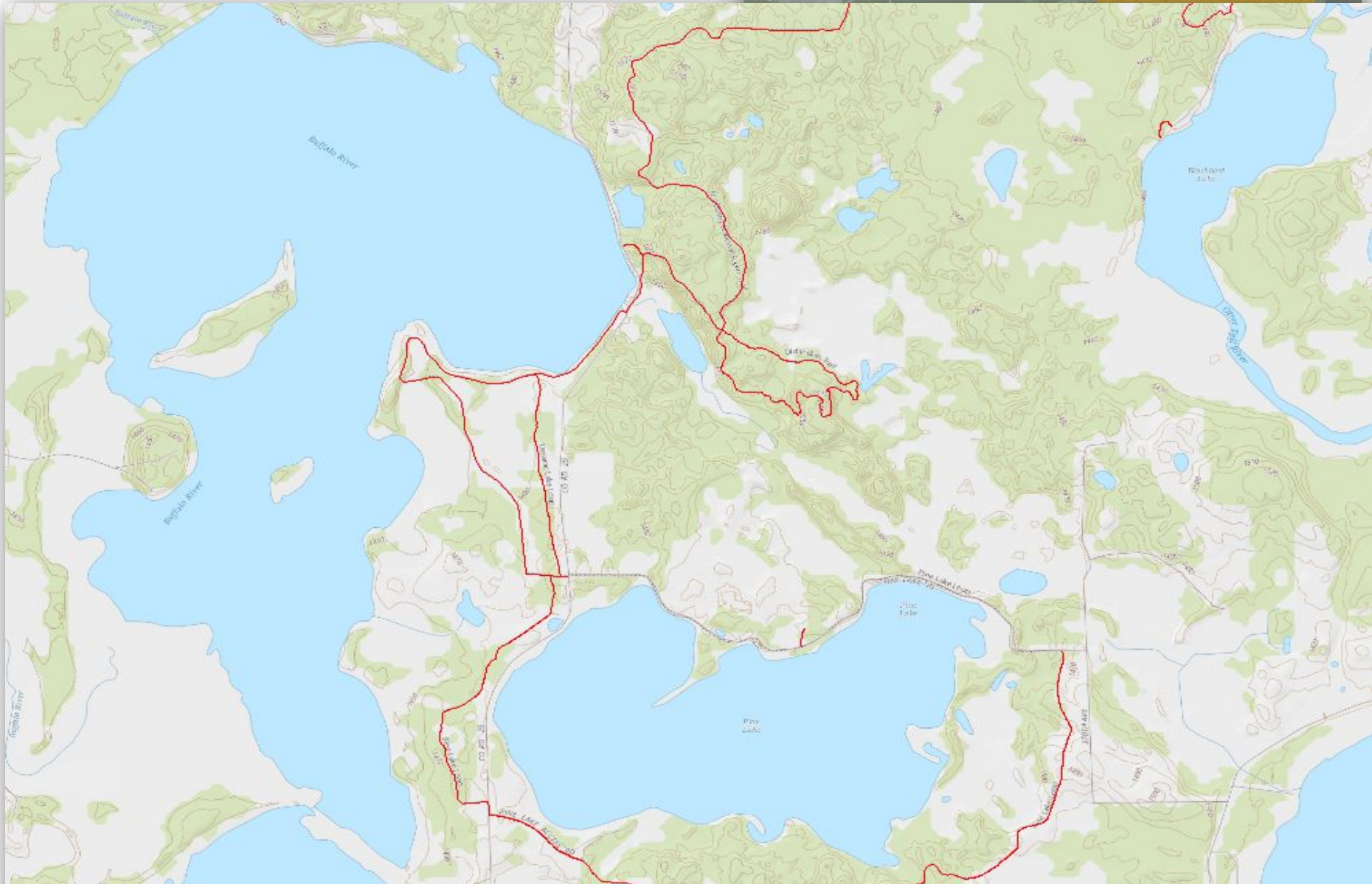# Uncompahgre National Forest
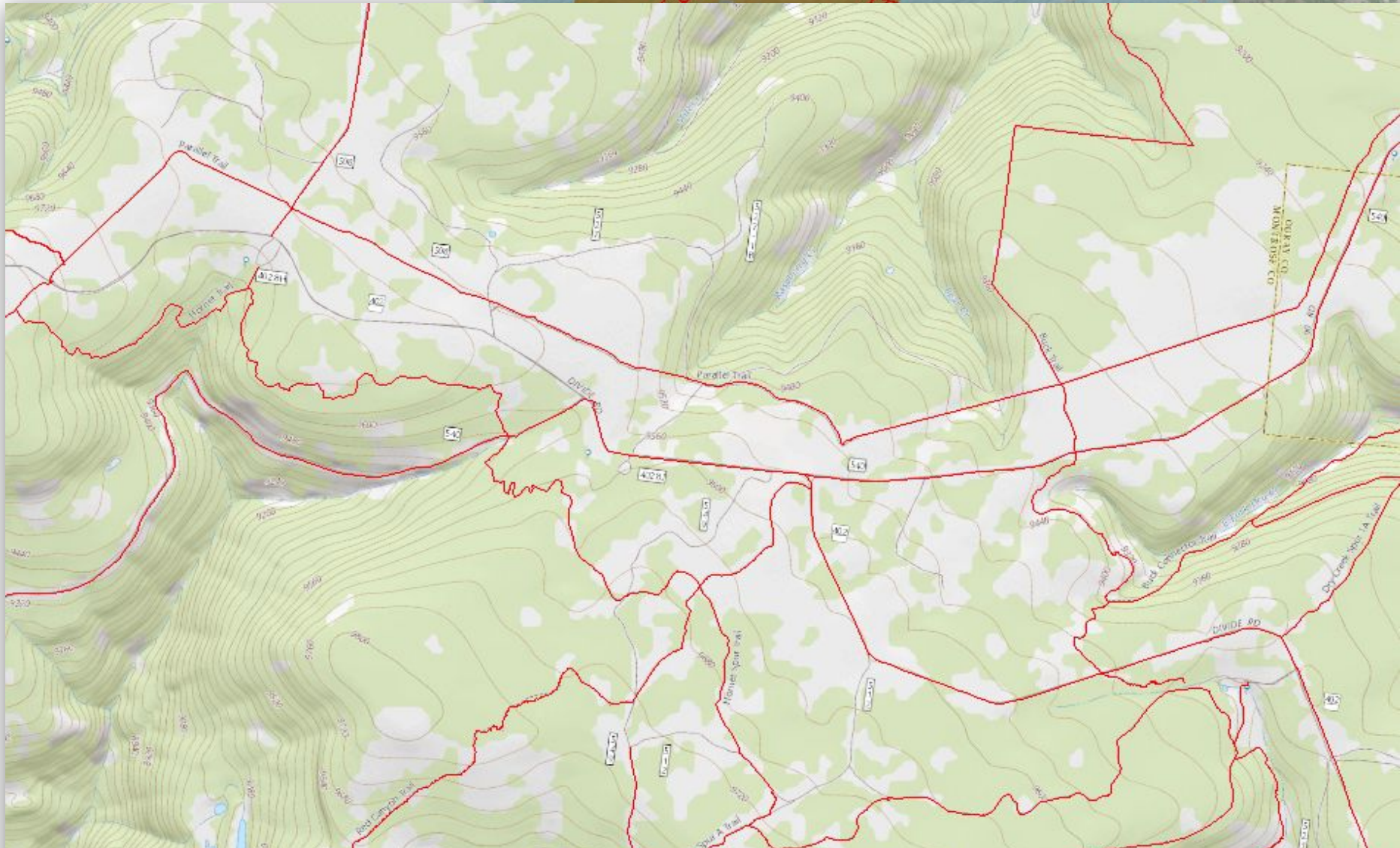
+ Trail Collaboration Efforts

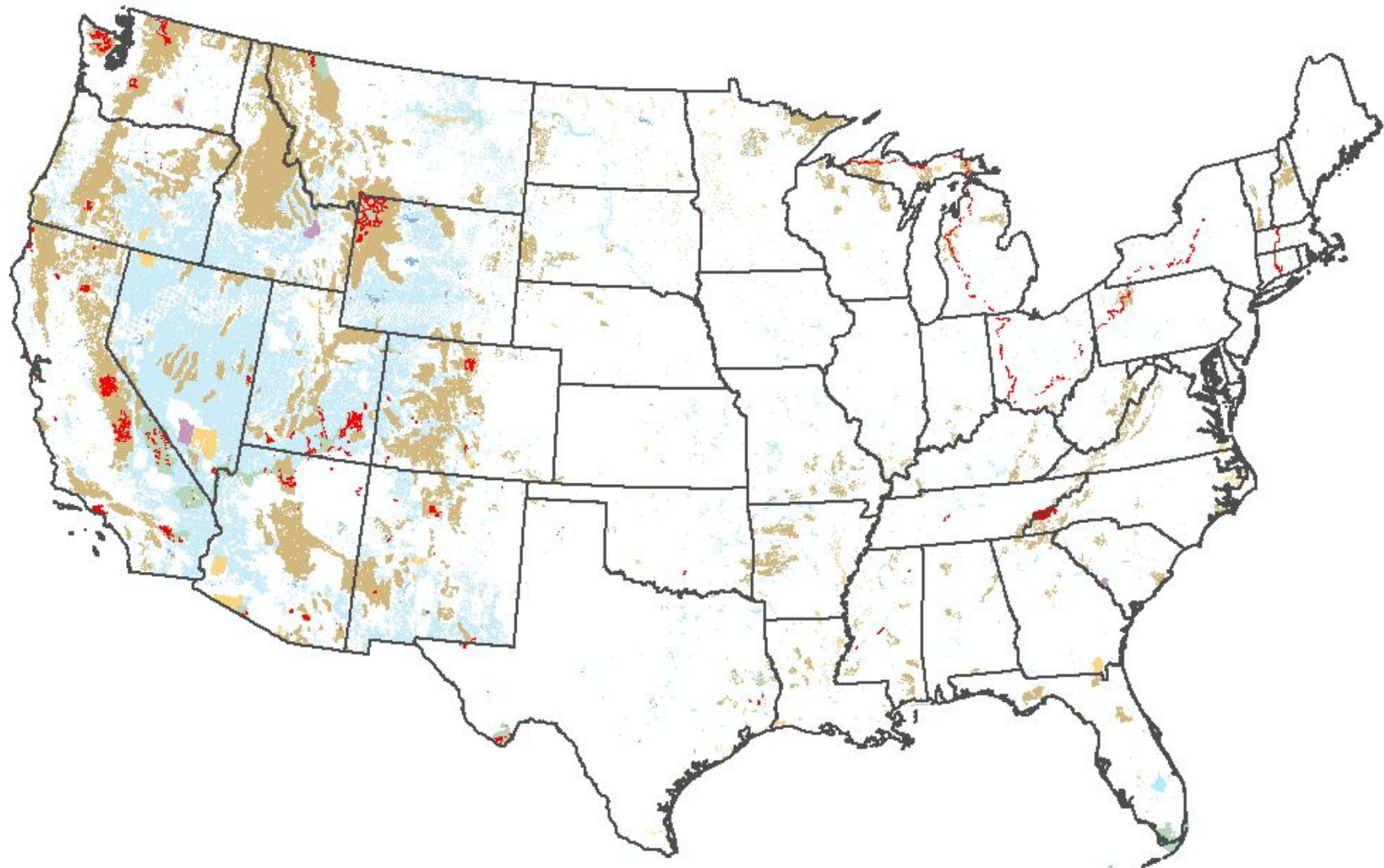## Fish and Wildlife Service

- FWS 3,980 mi

Tamarac National Wildlife Refuge

+ Trail Collaboration Efforts

National Park Service
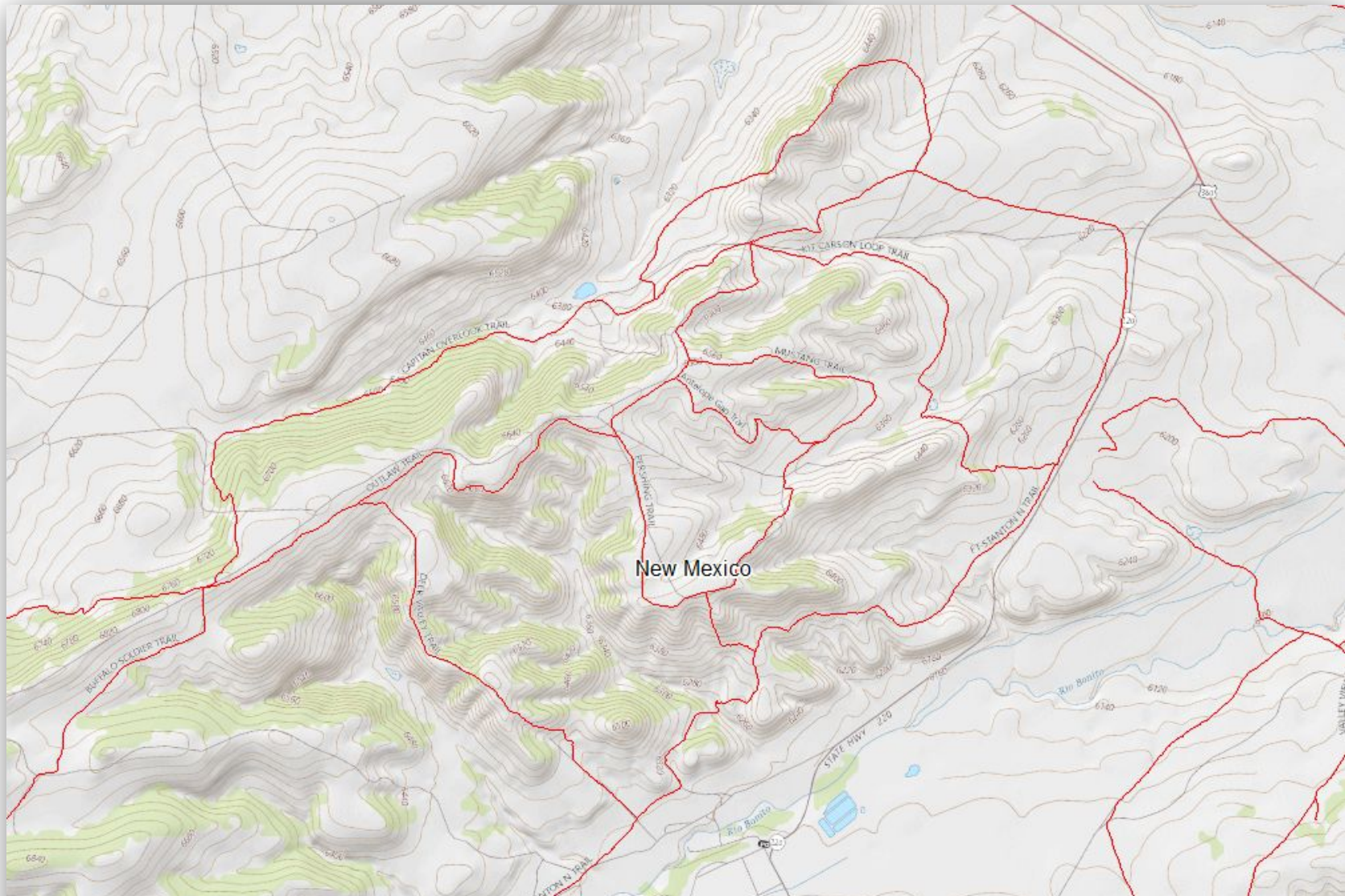
- NPS 13,167 mi

Yellowstone National Park
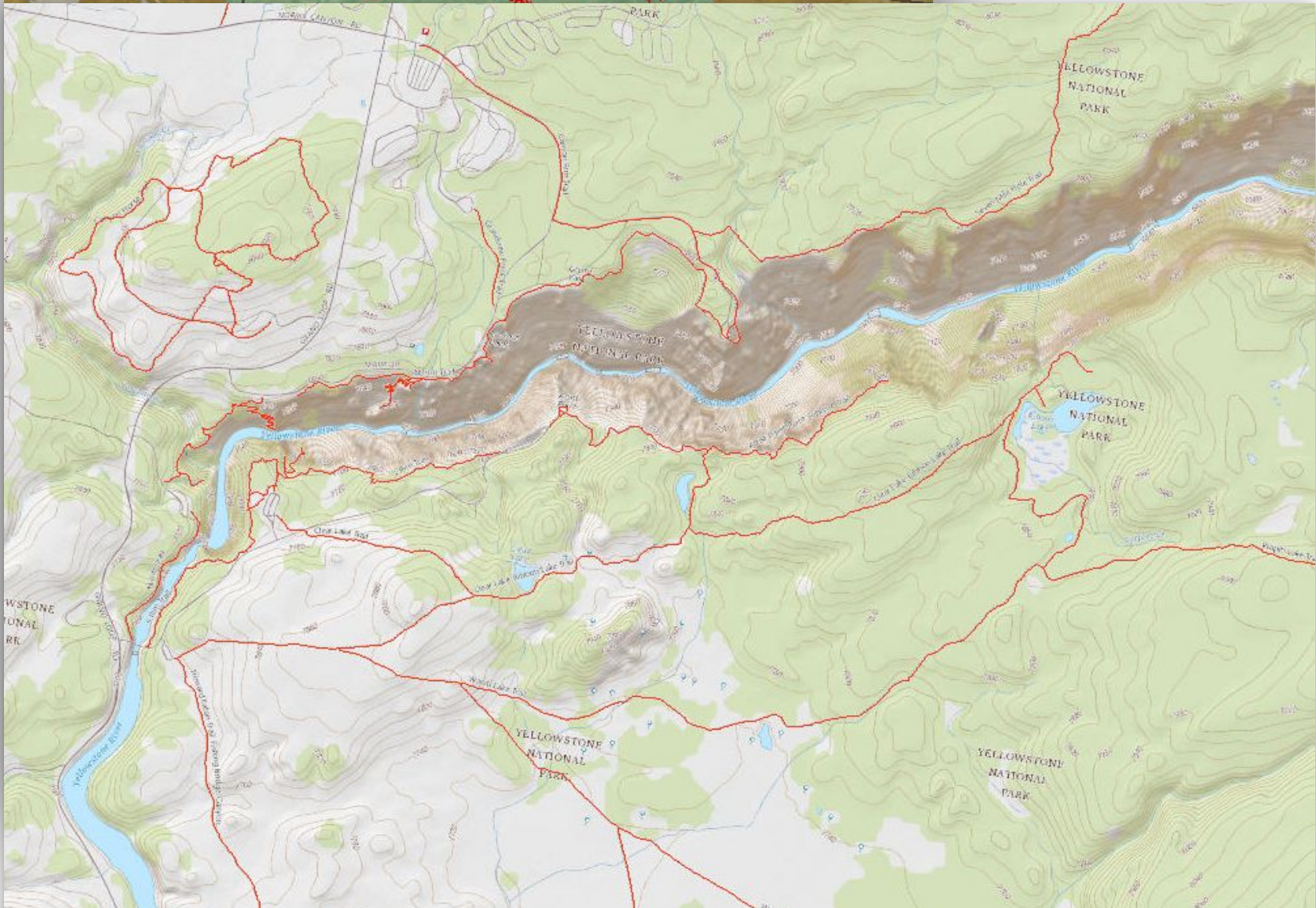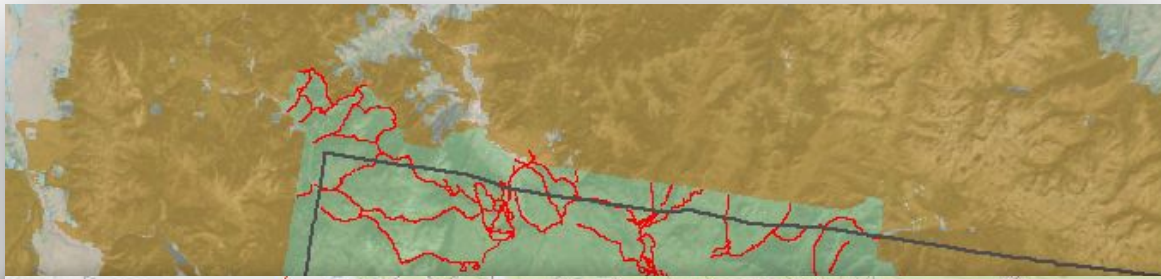
+ Trail Collaboration Efforts
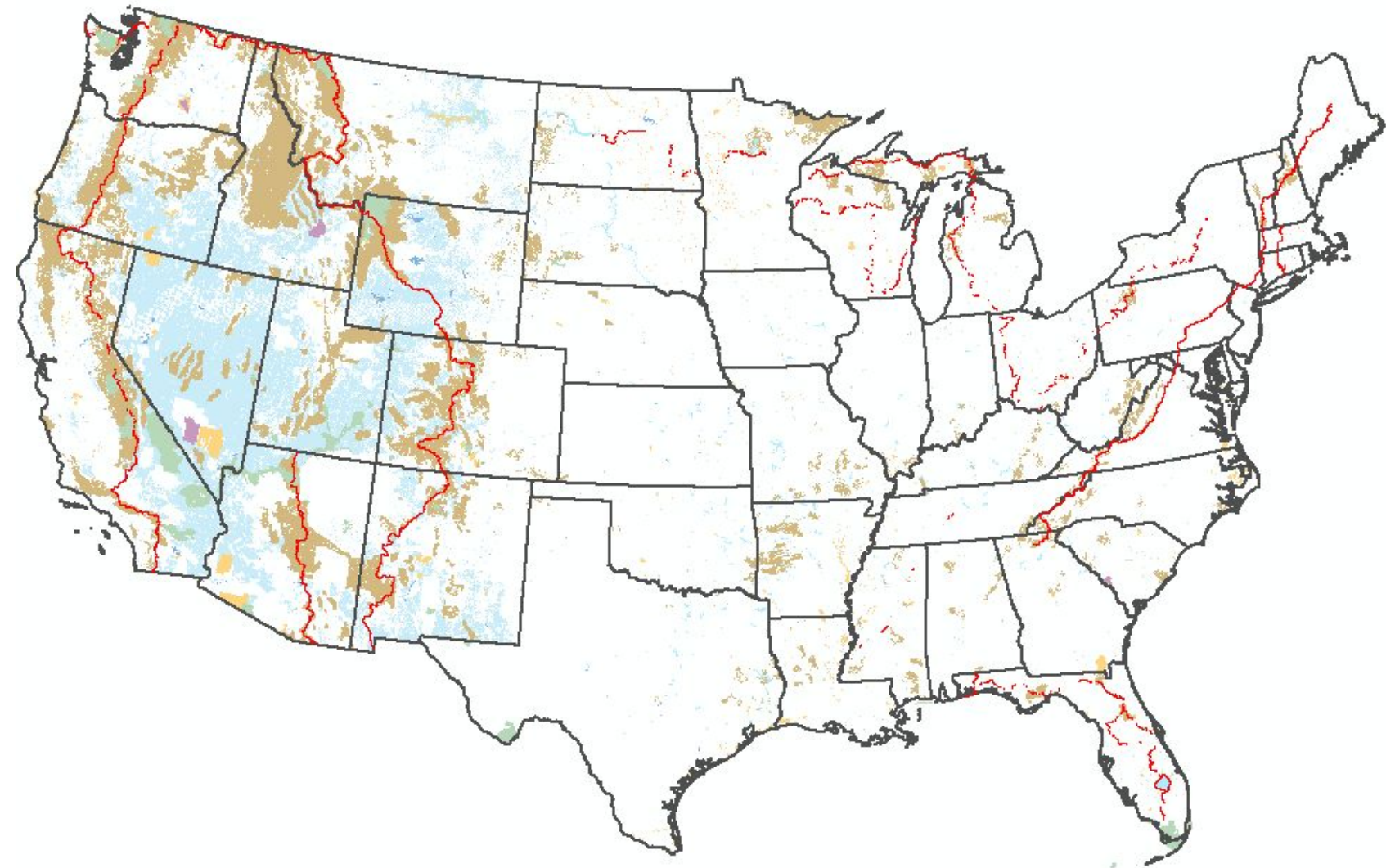
Bureau of Land Management

- BLM 479 mi

+ Trail Collaboration Efforts

National Scenic Trail System

- Combined 12,685 mi

+ Trail Collaboration Efforts

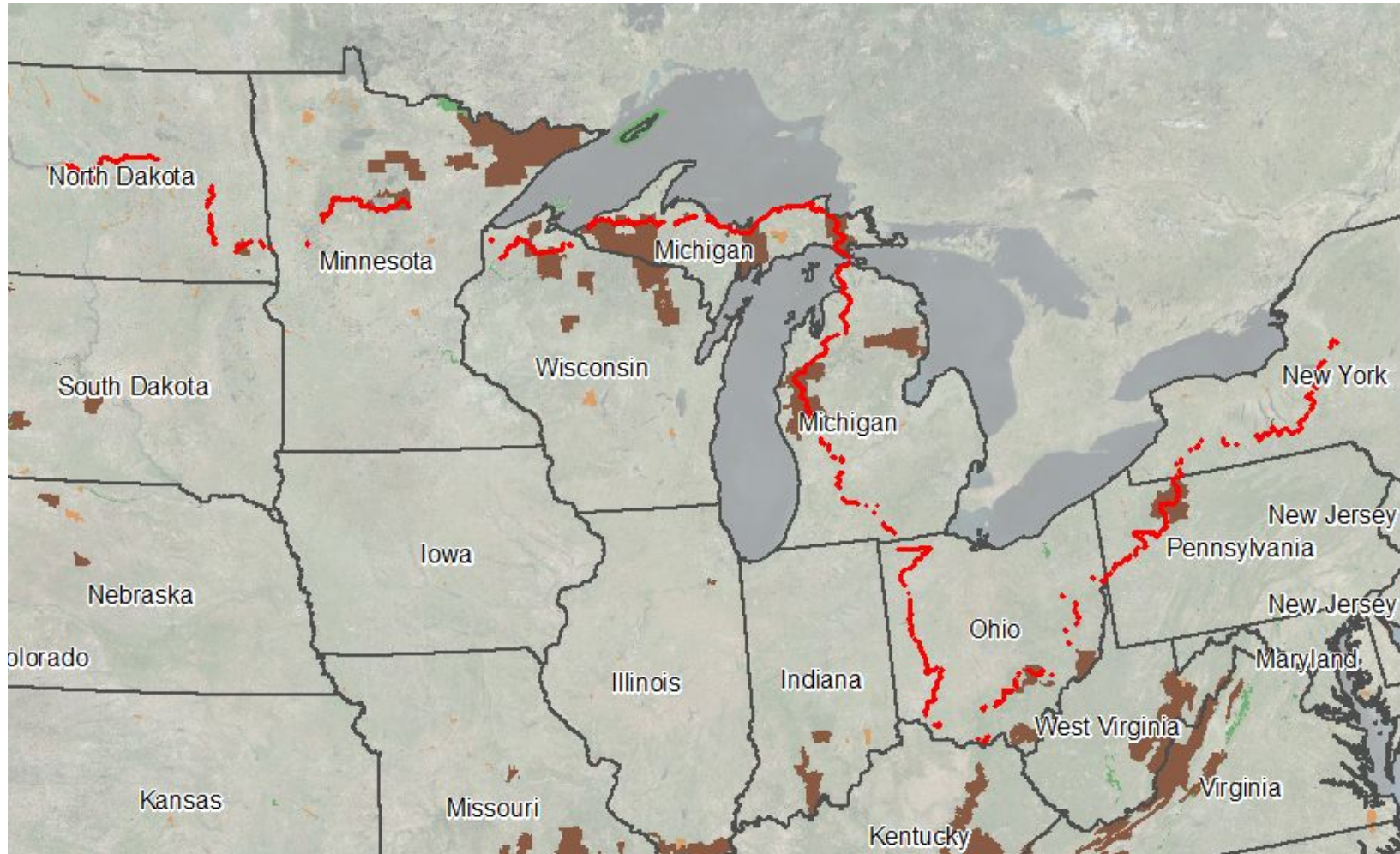## Appalachian National Scenic Trail

- NPS 2,125 mi

+ Trail Collaboration Efforts

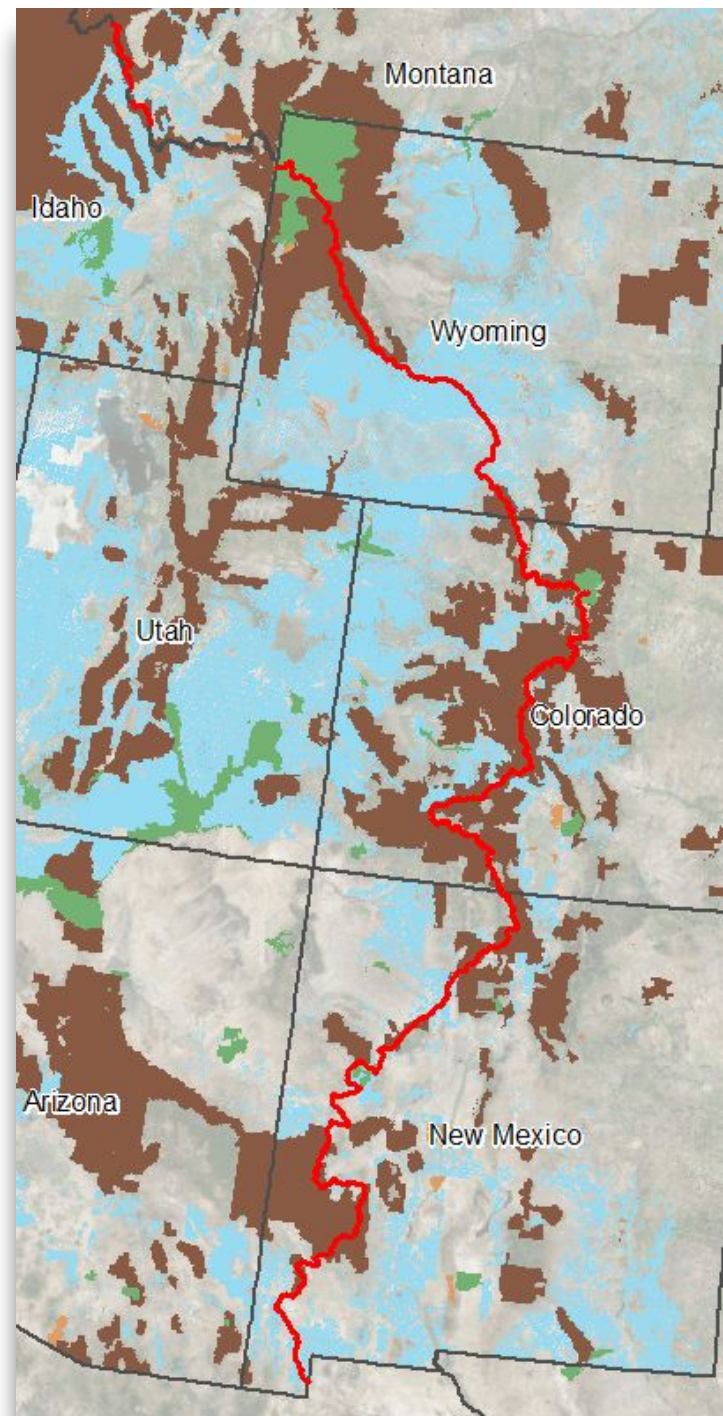## **North Country National Scenic Trail**
- NPS 2,223 mi

An Overview of Trail Collaboration Efforts

## Continental Divide National Scenic Trail

- Continental Divide Trail Coalition 2,170 mi.

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+ An Overview of Trail Collaboration Efforts

New England National Scenic Trail

- Appalachian Mountain Club and Connecticut Forest & Park Association
  226 mi

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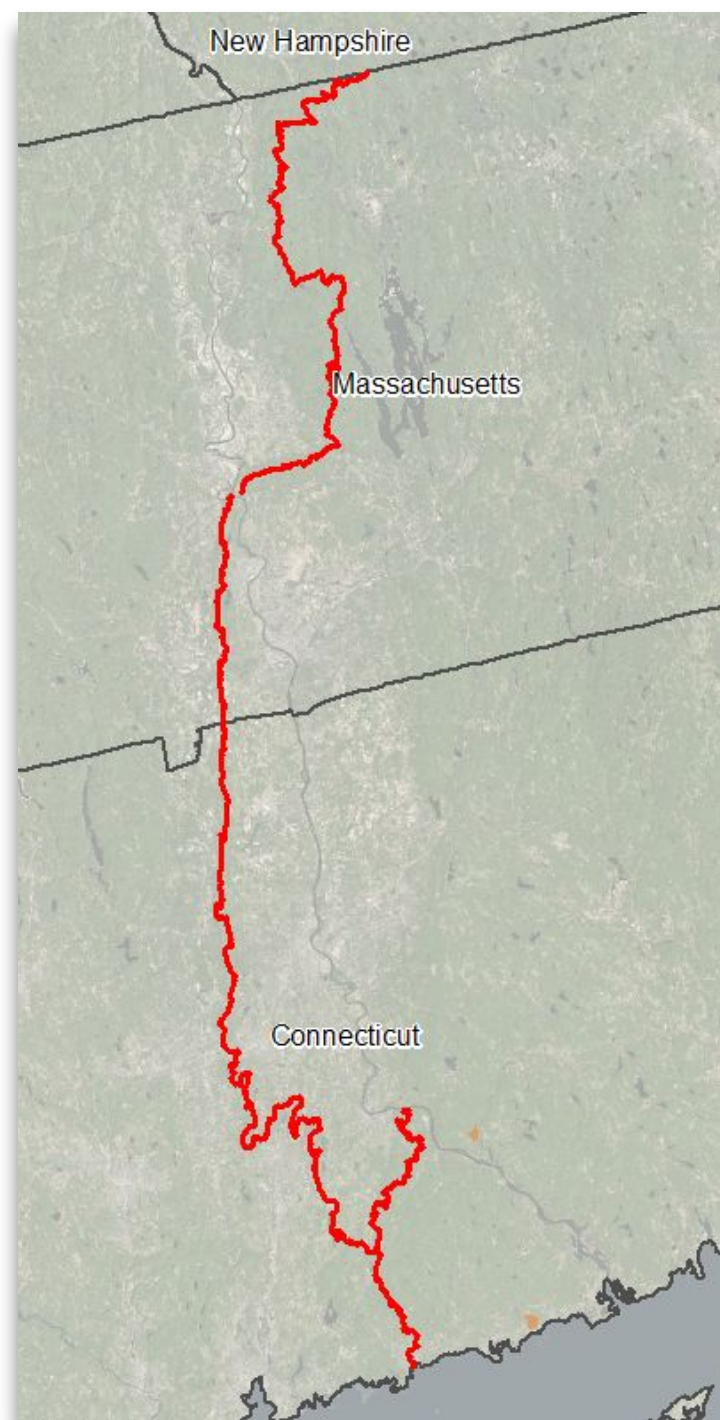
+ An Overview of Trail Collaboration Efforts

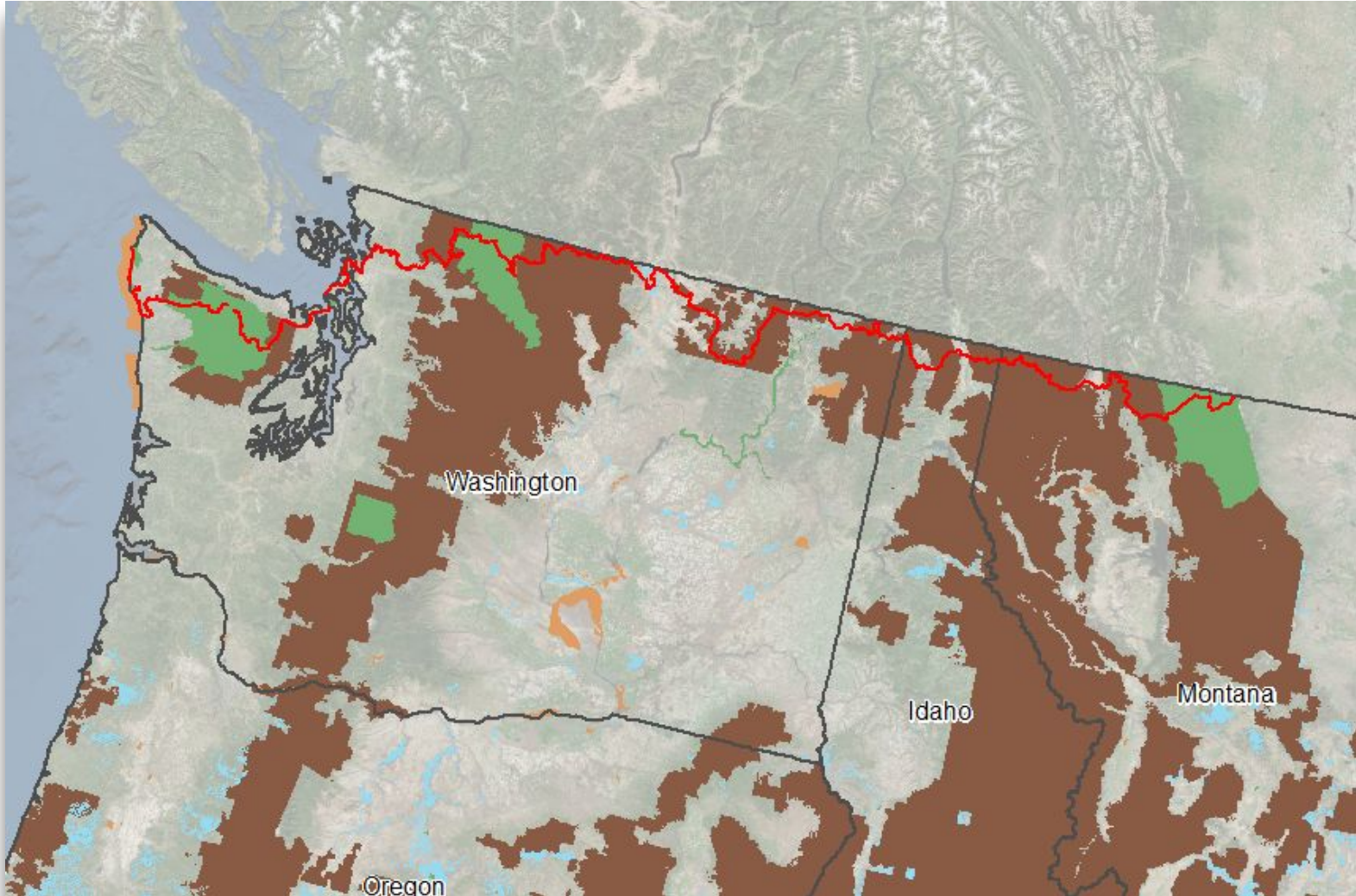## Arizona National Scenic Trail

- Arizona Trail Association 785 mi.
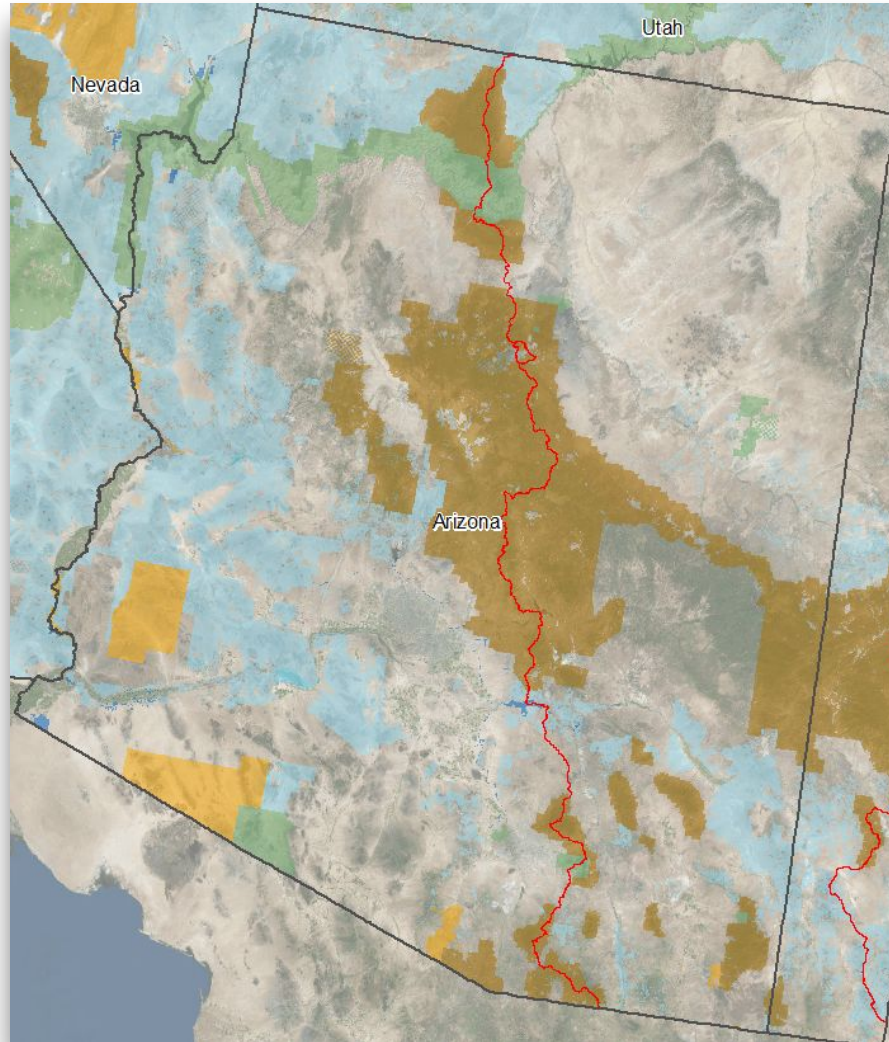
+ An Overview of Trail Collaboration Efforts
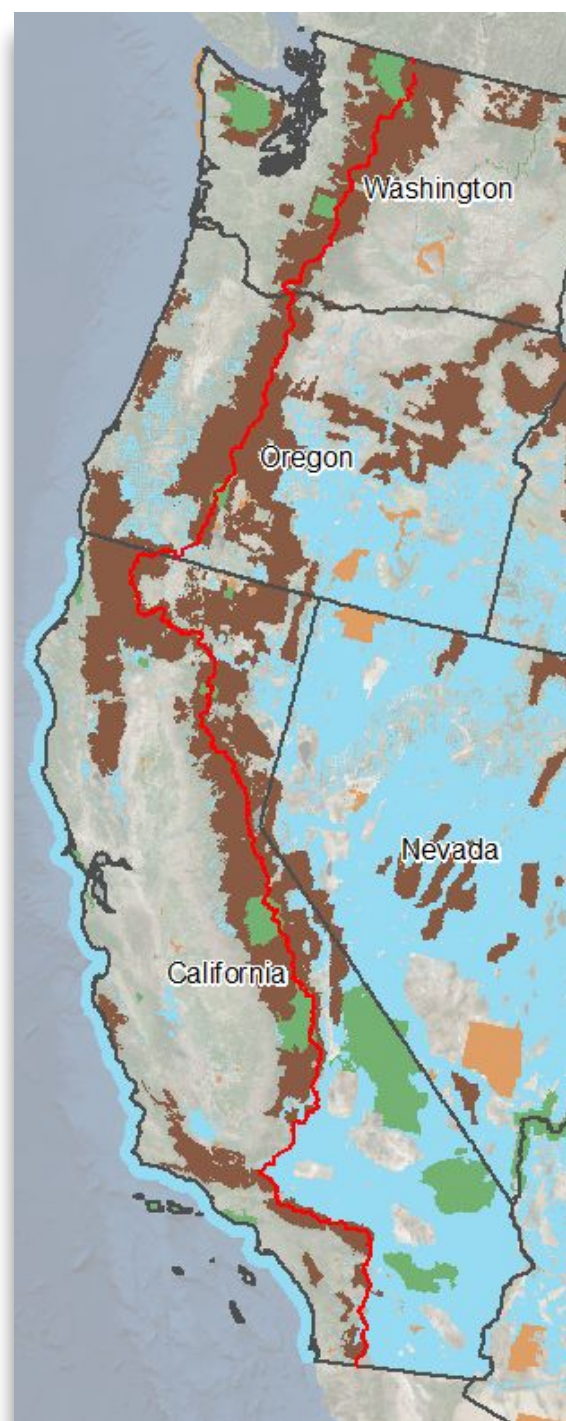
Pacific Northwest Scenic Trail
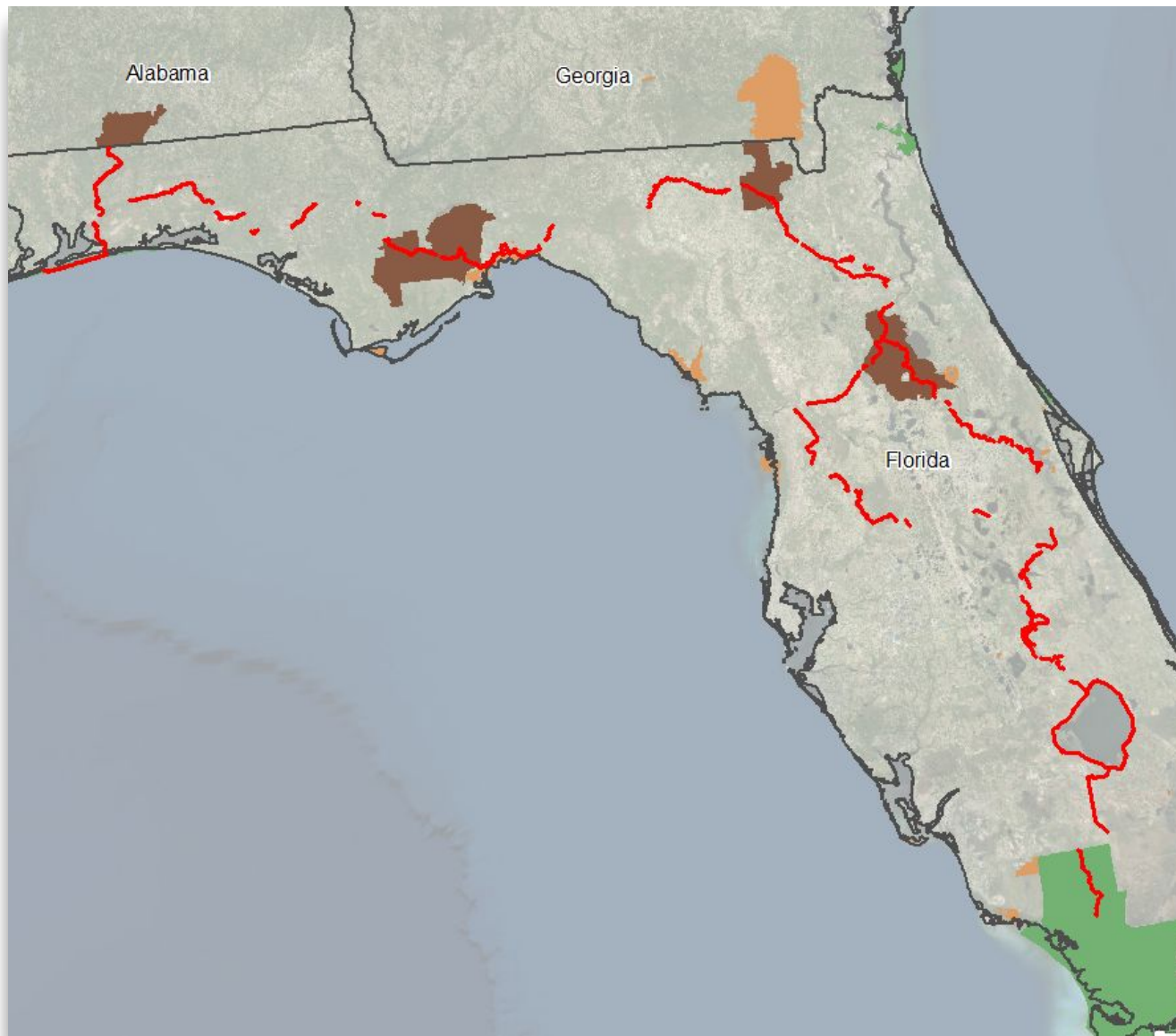- USFS Region 6 1204 mi.

+ Trail Collaboration Efforts

Pacific Crest National Scenic Trail

- USFS 2570 mi.

Trail Collaboration Efforts
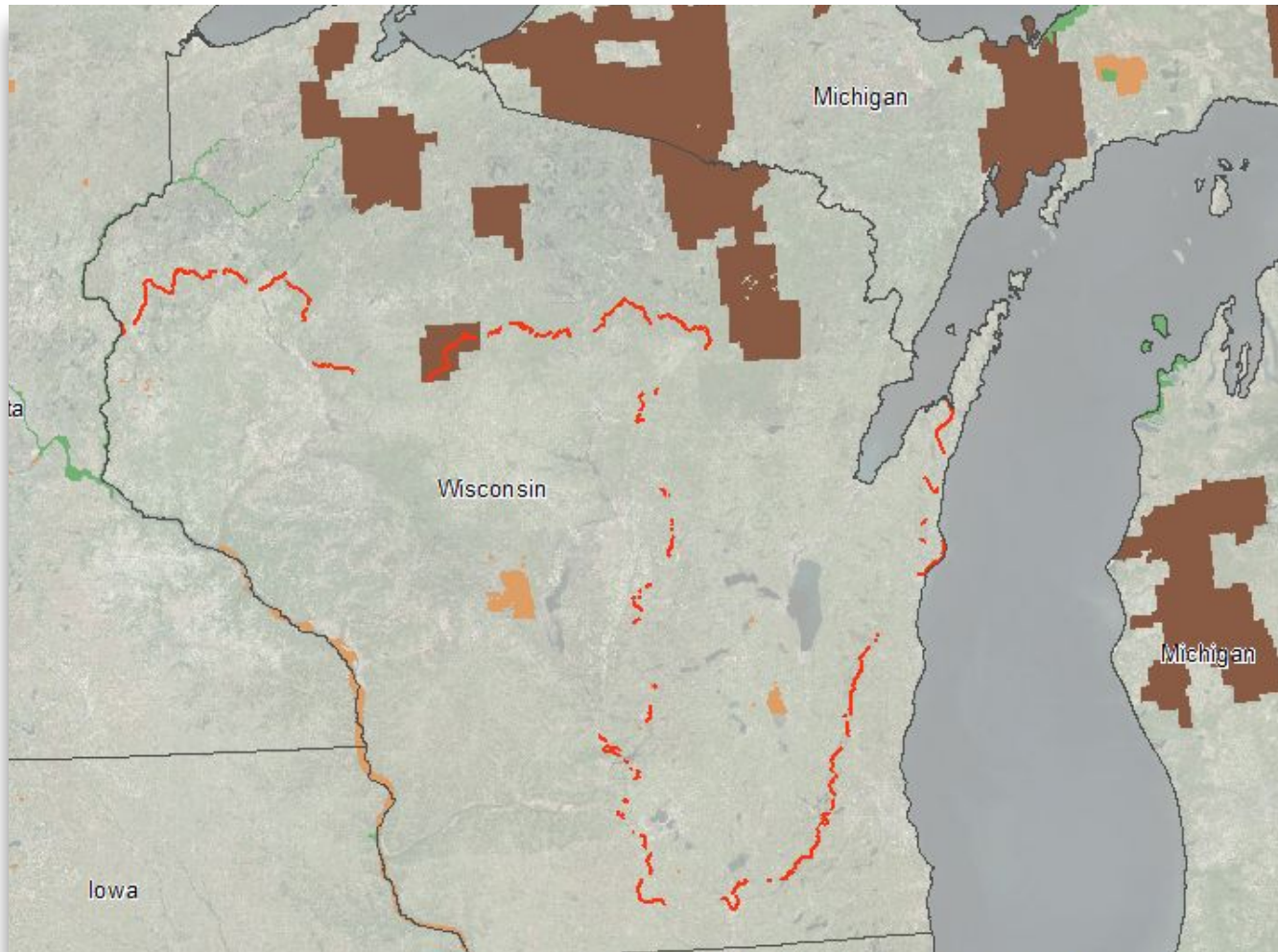
Florida National Scenic Trail

- USFS 1130 mi.

+ Trail Collaboration Efforts

Ice Age National Scenic Trail

- Ice Age Trail Alliance 668 mi.

+ Trail Collaboration Efforts
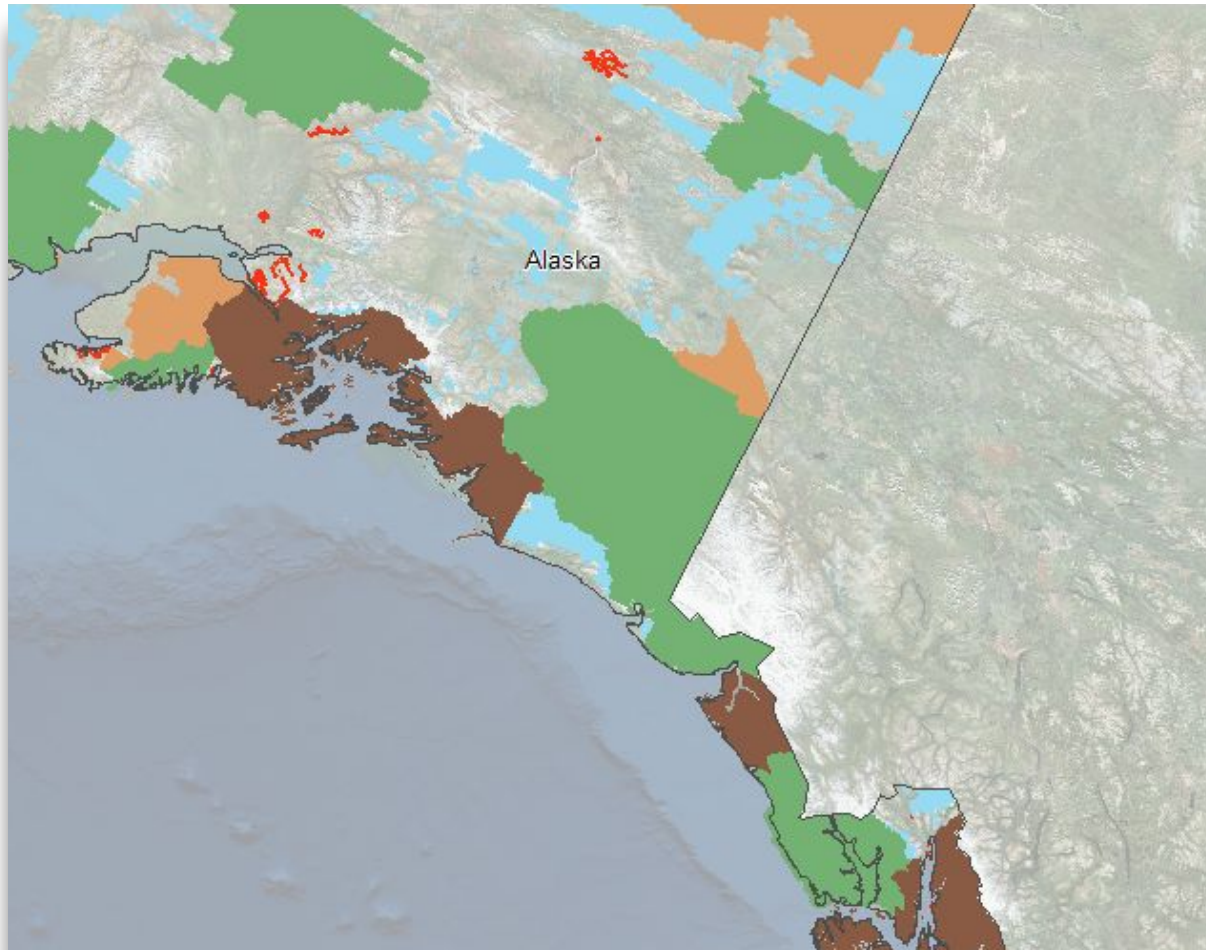
States

- Combined 12,847 mi

+ Trail Collaboration Efforts

Alaska

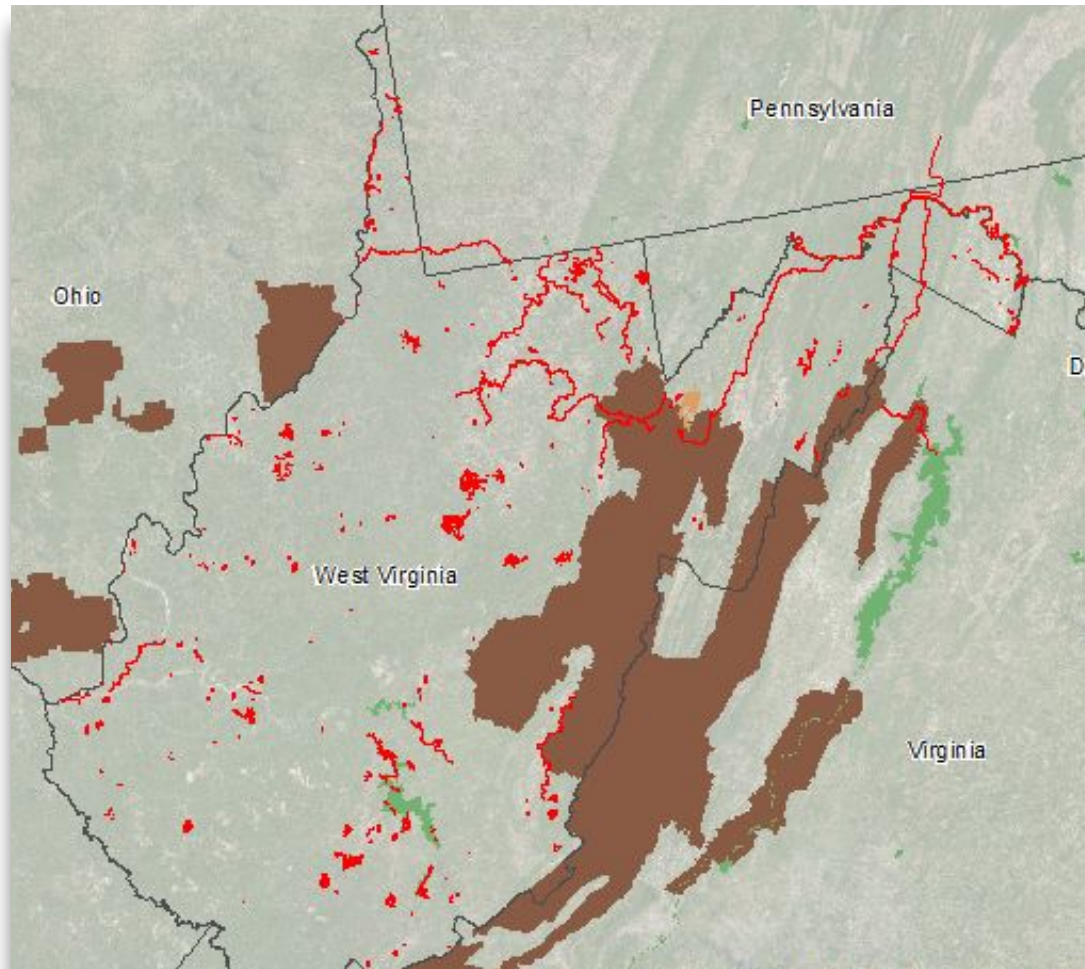- Alaska Department of Natural Resources 716 mi.

+ Trail Collaboration Efforts

West Virginia
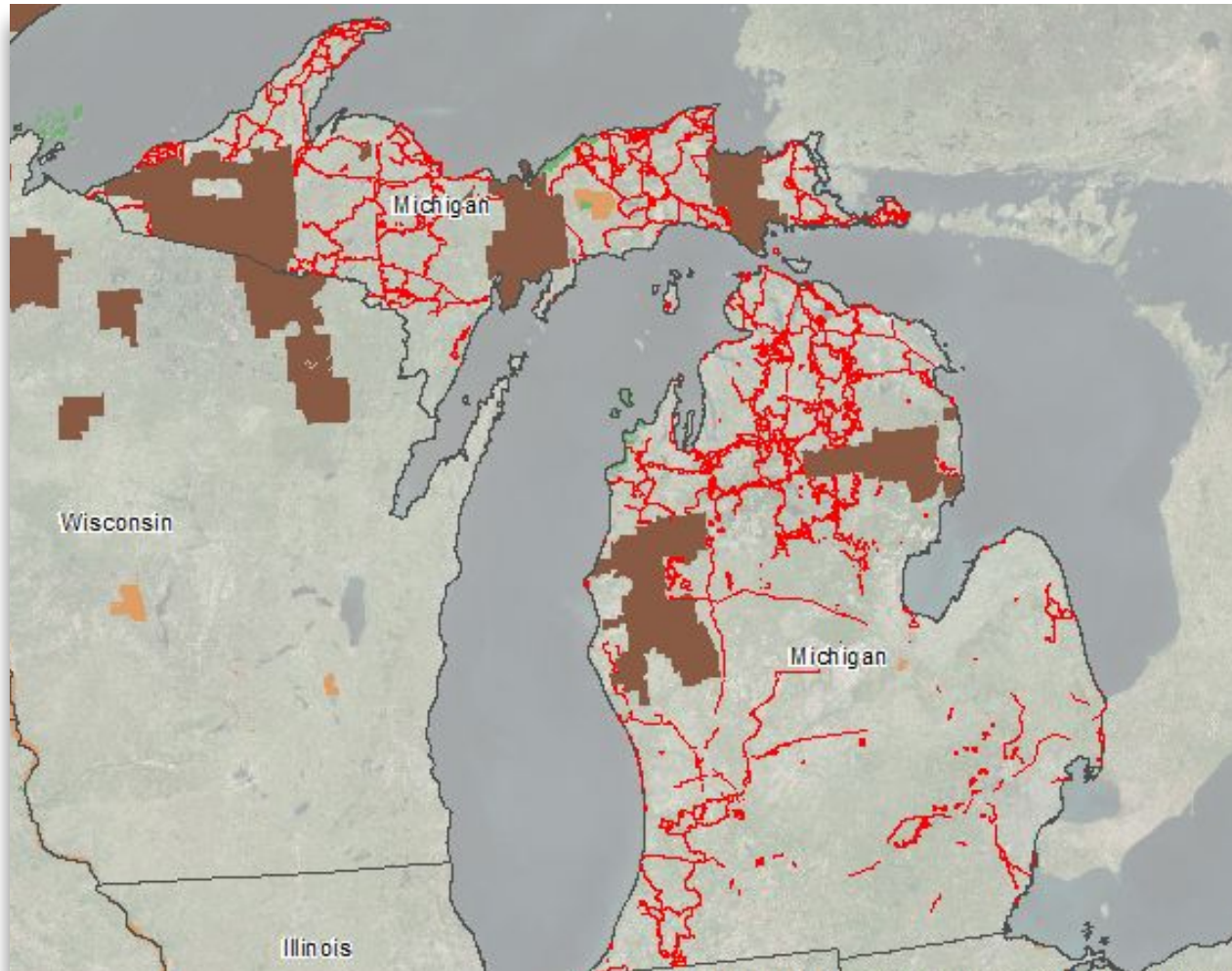
- West Virginia GIS Technical Center 2,491 mi.

+ Trail Collaboration Efforts

Michigan

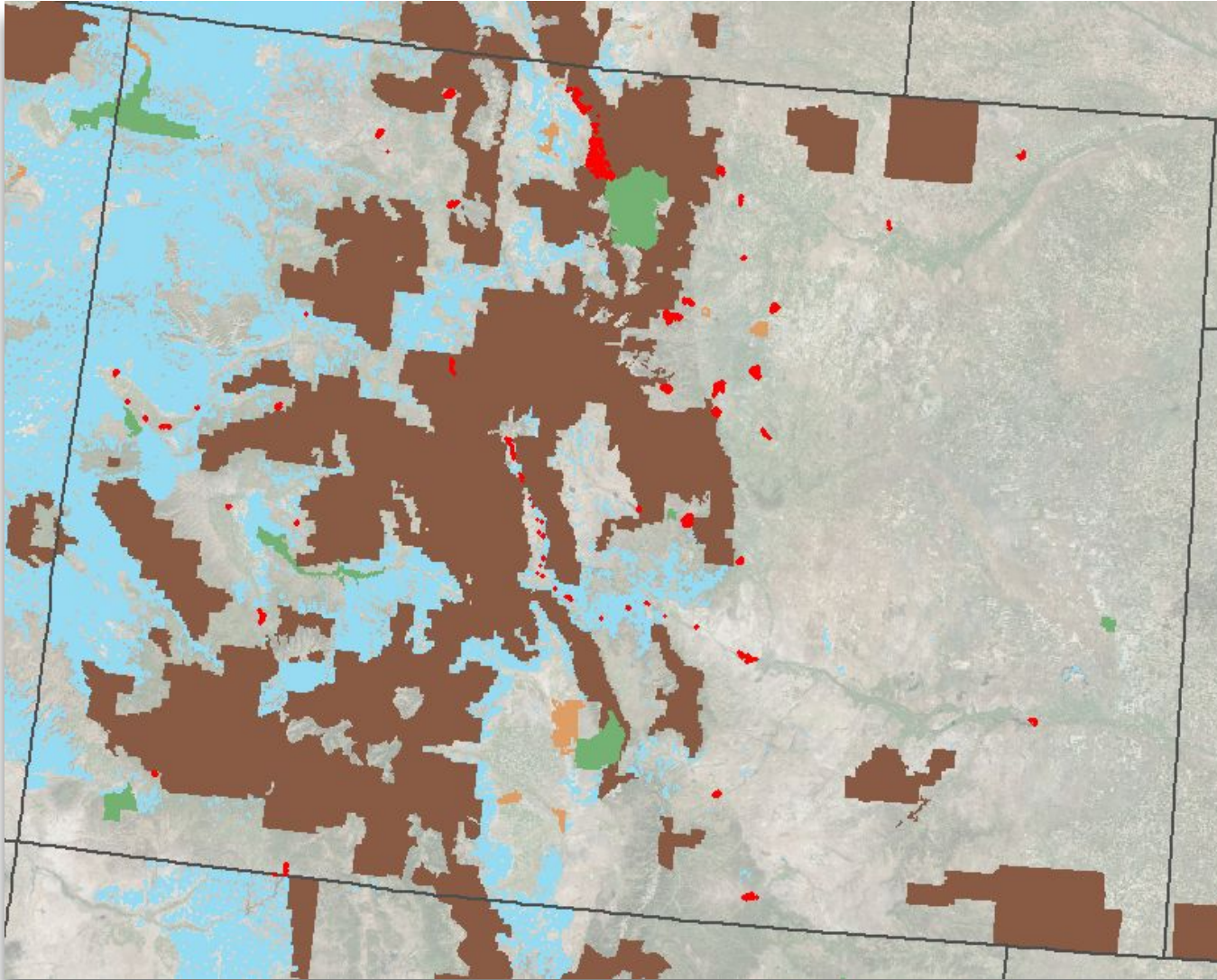- Michigan Department of Natural Resources 9,027 mi.

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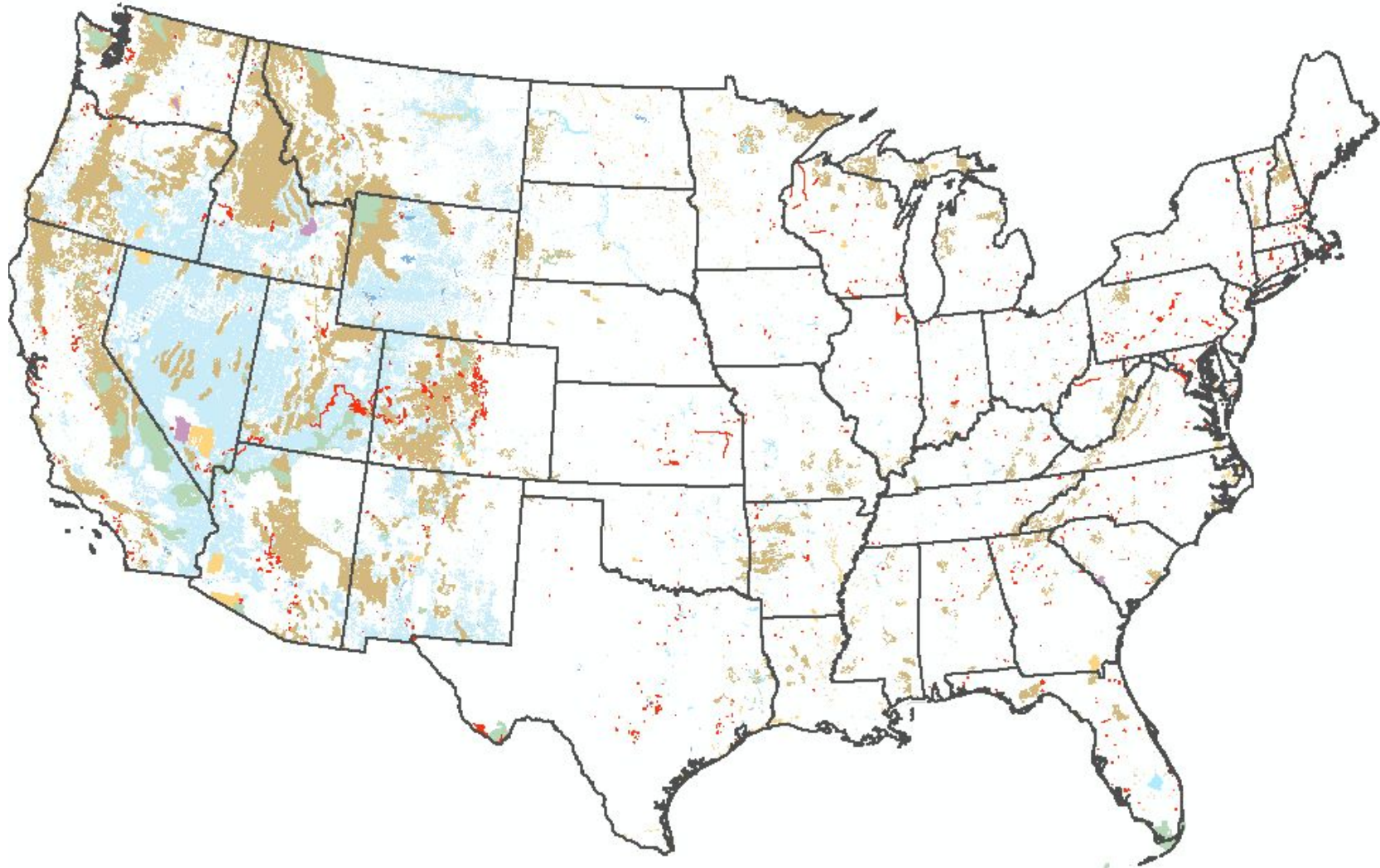# + Trail Collaboration Efforts

Colorado
- Colorado Department of Natural Resources 621 mi.
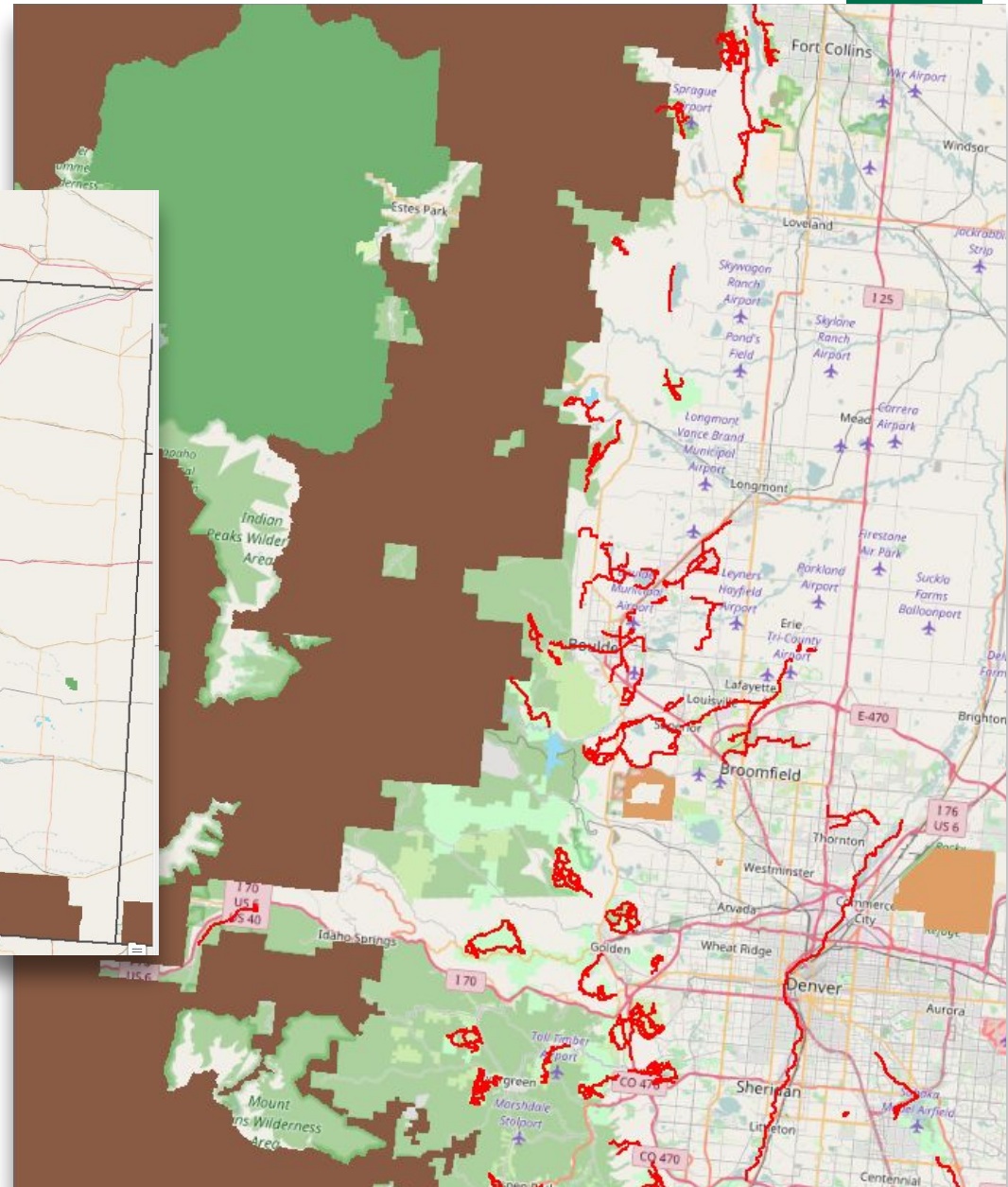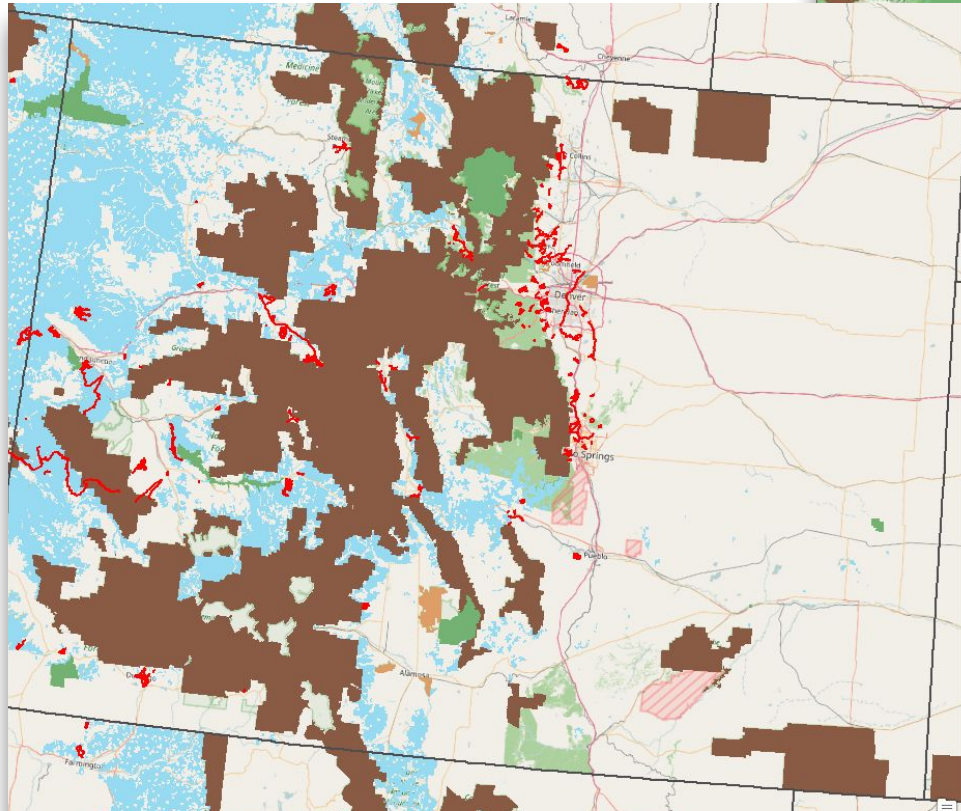
+ Trail Collaboration Efforts

Adventure Projects / International Mountain Bike Association

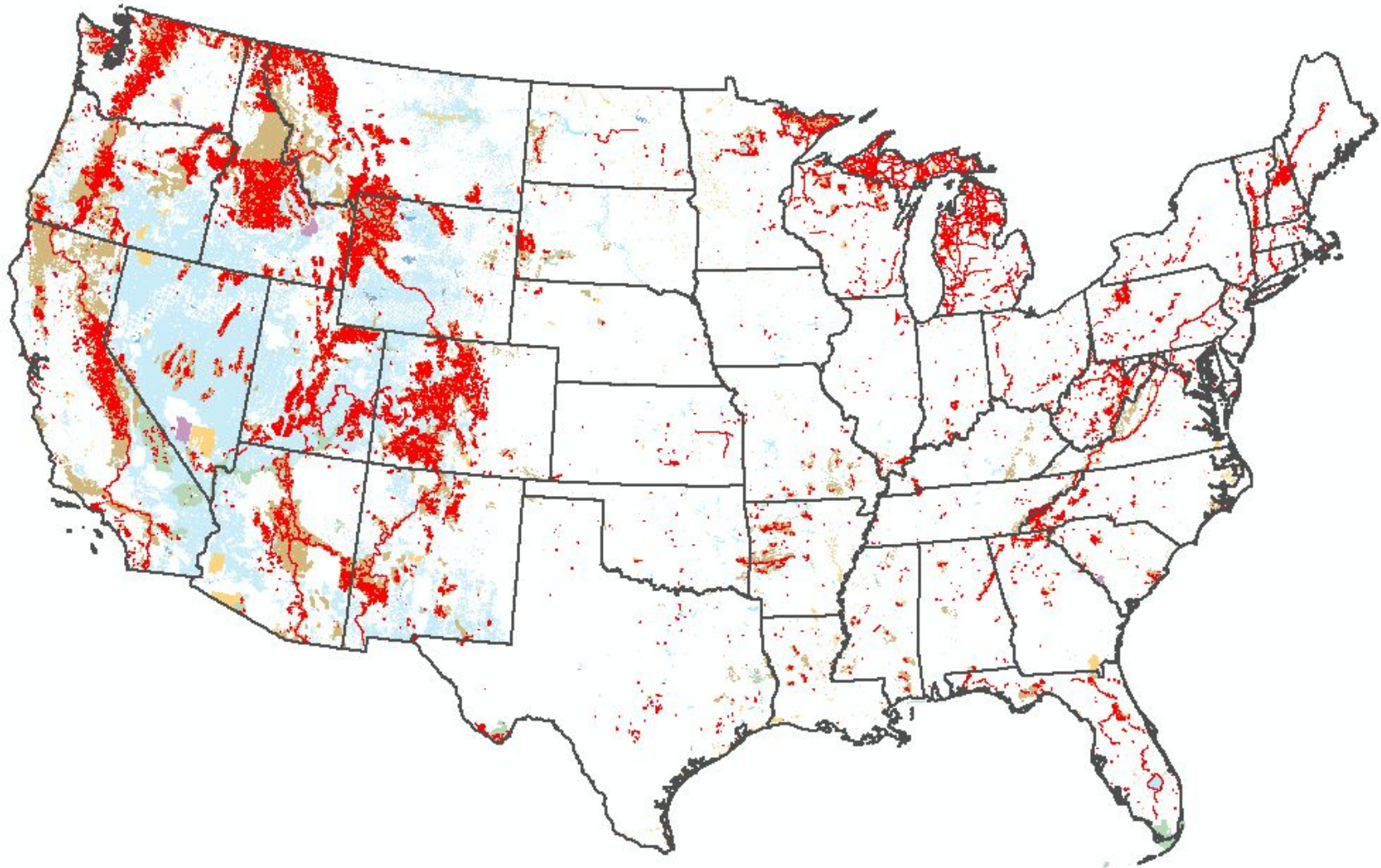- Aggregate 22,222 mi

Colorado Front Range

+ Trail Collaboration Efforts
Aggregated Trail System

+ Recreational Points of Interest

Features

The following recreation POIs
FS, NPS, BLM, & FWS and will be added to US Topo quads

- Trailheads
- Visitors Centers
- Campgrounds
- Shelters

- Ranger Stations
- Park Headquarters
- Cabins
- Picnic Facilities

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+

Questions/Discussion